

22.1

1 single loop * 3 simple statements = 3;
1 single loop * 1 simple statement = 1;
 $T(n) = O(n)$ Linear time;

22.2

Analyze the time complexity of your program:

1 outerloop = n
1 innerloop = n - 1;
1 simple statement = 1;
1 single loop * 1 simple statement = 1;
 $T(n) = (n * (n - 1)) + (1 + 1)$;
 $T(n) = O(n^2) + O(n)$
 $T(n) = O(n^2)$ Quadratic time;